

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	5	((recover\$4 near4 (symbol near2 timing)) same sampl\$4) same ((sampl\$4 with (peak or amplitude or magnitude)) same compar\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/27 07:26
L2	40	((recover\$4 near4 (symbol near2 timing)) same sampl\$4) same (sampl\$4 with (peak or amplitude or magnitude))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/27 07:34
L3	7	((recover\$4 near4 (symbol near2 timing)) same sampl\$4) and (sampl\$4 with peak with compar\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/27 07:35
L4	12	((recover\$4 near4 (symbol near2 timing)) same sampl\$4) and ((sampl\$4 with peak) same compar\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/27 07:37
L5	5	L4 not L3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/27 07:36
L6	37	((recover\$4 near4 timing) same sampl\$4) same ((sampl\$4 with peak) same compar\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/27 07:44
L7	12	(sampl\$4 with ((highest or greatest) adj2 (magnitude or amplitude or value))) same ((recover\$4 or sampl\$4) near2 timing)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/27 07:46
L8	28	(sampl\$4 with ((highest or greatest or largest) adj2 (magnitude or amplitude or value))) same ((recover\$4 or sampl\$4) near2 timing)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/27 07:46
S1	2	Cheng.in. and (optimal adj1 sampl\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/19 15:56
S2	370	375/354-355.ccls. and (compar\$4 near4 (sampl\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/20 15:13
S3	142	S2 and (error near4 sampl\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/19 15:57

## EAST Search History

S4	32	375/354-355.ccls. and (compar\$4 near4 (sampl\$4 adj3 points))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/19 16:01
S5	62	375/354-355.ccls. and (compar\$4 with (sampl\$4 adj3 points))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/19 16:05
S6	10	S5 not S2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/19 16:02
S7	30	S5 not S4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/19 16:02
S8	53	375/371-376.ccls. and (compar\$4 with (sampl\$4 adj3 points))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/19 16:09
S9	14	(compar\$4 with (sampl\$4) with (desired or optimal)) and (error same sampl\$4) and (filter\$4 same averag\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/19 16:11
S10	3305	(compar\$4 with (sampl\$4)) and (error same sampl\$4) and (filter\$4 same averag\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/19 16:11
S11	337	(compar\$4 with (sampl\$4)) and (error same sampl\$4) and (averag\$4 with error) and (integrat\$4 with averag\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/19 16:13
S12	36	S11 and (symbol near2 tim\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/19 16:12
S13	8	375/354-355.ccls. and (compar\$4 with (sampl\$4)) and (error same sampl\$4) and (averag\$4 with error) and (integrat\$4 with averag\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/19 17:23
S14	18	375/371-376.ccls. and (compar\$4 with (sampl\$4)) and (error same sampl\$4) and (averag\$4 with error) and (integrat\$4 with averag\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/19 17:25
S15	61	(sampl\$4 same (detect\$ near4 peak)) same (compar\$4 near4 sampl\$4) same (error)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/19 17:38

## EAST Search History

S16	590	((compar\$4 near5 sampl\$4) same (error with sampl\$4)) and (adjust\$4 near4 sampl\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/19 17:53
S17	441	S16 and filter\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/19 17:39
S18	122	S16 and (filter\$4 same integrat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/19 17:46
S19	371	(compar\$4 with (sampl\$4 adj1 (points or instances))) same ((error or difference) with sampl\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/19 17:47
S20	18	375/354-355.ccls. and (compar\$4 with (sampl\$4 adj1 (points or instances))) same ((error or difference) with sampl\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/19 17:49
S21	19	375/371-376.ccls. and (compar\$4 with (sampl\$4 adj1 (points or instances))) same ((error or difference) with sampl\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/19 17:52
S22	13	375/371-376.ccls. and (compar\$4 with (sampl\$4 adj1 (points or instances))) same ((error or difference) with sampl\$4) and integrat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/19 17:53
S23	1855	((compar\$4 with sampl\$4) same ((error or difference) with sampl\$4)) and ((error or difference) same averag\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/19 17:54
S24	187	((compar\$4 with sampl\$4) same ((error or difference) with sampl\$4)) and ((error or difference) same averag\$4) and (averag\$4 with integrat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/19 18:11
S25	7	375/354-377.ccls. and ((compar\$4 with sampl\$4) same ((error or difference) with sampl\$4)) and ((error or difference) same averag\$4) and (averag\$4 with integrat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/19 18:11
S26	112	375/354-377.ccls. and ((compar\$4 with sampl\$4) same ((error or difference) with sampl\$4)) and ((error or difference) same averag\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/19 18:59

## EAST Search History

S27	6	375/354-355.ccls. and ((averag\$4 near4 error) same (integrat\$4 near4 averag\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/19 19:02
S28	17	375/356-377.ccls. and ((averag\$4 near4 error) same (integrat\$4 near4 averag\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/19 19:07
S29	50	(sampl\$4 with error) same ((averag\$4 near4 error) same (integrat\$4 near4 averag\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/19 19:08
S30	2	375/354-355.ccls. and ((error near5 (averag\$4 or integrat\$4)) same (convolv\$4 or convolution))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/20 15:32
S31	0	375/371-376.ccls. and ((error near5 (averag\$4 or integrat\$4)) same (convolv\$4 or convolution))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/20 15:12
S32	72	((error near5 (averag\$4 or integrat\$4)) same (convolv\$4 or convolution))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/20 15:12
S33	21	375/354-355.ccls. and ((averag\$4 or integrat\$4) same (convolution or convolv\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/20 15:18
S34	577	(filter\$4 with (convolv\$4 or convolution)) with (averag\$4 or integrat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/21 11:55
S35	121	S34 and (error with (phase or sampl\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/20 15:25
S36	14	(loop adj1 filter\$4) with (convolv\$4 or convolution)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/20 15:32
S37	9732	filter\$4 with (convolv\$4 or convolution)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/20 15:32
S38	34	375/354-355.ccls. and (filter\$4 near4 (convolv\$4 or convolution))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/20 15:37

## EAST Search History

S39	2023	(sampl\$4 near2 (points or instances)) with maximum	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/20 15:38
S40	53	375/354-355.ccls. and (sampl\$4 near2 (points or instances)) with maximum	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/20 15:59
S41	2	375/371-376.ccls. and (sampl\$4 near2 (points or instances)) with maximum with symbol	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/20 15:50
S42	0	375/354-376.ccls. and (averag\$4 near3 input\$4) adj4 ("to" adj2 ((phase or timing) adj3 detector))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/20 16:00
S43	0	375/354-376.ccls. and (averag\$4 near3 input\$4) near3 ("to" adj2 ((phase or timing) adj3 detector))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/20 16:01
S44	0	(averag\$4 near3 input\$4) near3 ("to" adj2 ((phase or timing) adj3 detector))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/20 16:01
S45	18	(averag\$4 near3 input\$4) near3 ((phase or timing) adj3 detector)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/20 16:04
S46	57	(averag\$4 near3 input\$4) with ((phase or timing) adj3 detector)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/20 16:09
S47	39	S46 not S45	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/20 16:05
S48	322	(integrat\$4 near3 input\$4) with ((phase or timing) adj3 detector)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/20 16:09
S49	2	("5426671").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/21 11:54
S50	2	("6424687").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/21 11:54

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S51	1731217	S50 and averag\$4 or integrat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/21 11:54
S52	1	S50 and (averag\$4 or integrat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/21 11:54
S53	147	(filter\$4 with (convolv\$4 or convolution)) with (accumulat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/21 11:55
S54	3	((low adj2 filter\$4) with (convolv\$4 or convolution)) with (accumulat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/21 11:56
S55	4	((low adj3 filter\$4) with (convolv\$4 or convolution)) with (accumulat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/21 13:21
S56	2	("5426671").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/21 13:21
S57	0	S56 and filter\$W4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/21 13:21
S58	2	S56 and filter\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/21 13:51
S59	437	375/375.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/21 13:52
S60	44	S59 and (averag\$4 with (phase near3 (detect\$4 or compar\$4)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/21 13:55
S61	4	S59 and ((averag\$4 near3 input\$4) with (phase near3 (detect\$4 or compar\$4)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/21 13:56
S62	144	\((averag\$4 near3 input\$4) with (phase near3 (detect\$4 or compar\$4)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/21 13:56

## EAST Search History

S63	144	((averag\$4 near3 input\$4) with (phase near3 (detect\$4 or compar\$4)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/21 15:25
S64	110	averag\$4 adj2 phase adj2 detector	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/21 15:25
S65	50	averag\$4 adj1 phase adj2 detector	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/21 15:38
S66	18	(averag\$4 near3 samples) with (phase adj2 detector )	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/21 15:38
S67	7	(averag\$4 near3 symbols) with (phase adj2 detector )	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/21 15:38
S68	25	S67 or S66	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/21 15:39
S69	2	("5426671").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/26 18:18
S70	2	("6182103").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/26 18:52
S71	4	((("5572558") or ("6628735")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/26 18:52
S72	135	((recover\$4 near4 (symbol or timing)) same sampl\$4) and ((sampl\$4 with peak) same compar\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/26 19:12
S73	43	((recover\$4 near4 (symbol or timing)) same sampl\$4) same ((sampl\$4 with peak) same compar\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/27 07:24